



# UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 7  
901 NORTH 5TH STREET  
KANSAS CITY, KANSAS 66101

30023703



Superfund

FEB 23 2009

## FINDING OF IMMINENT AND SUBSTANTIAL ENDANGERMENT

Radiation – Standard Products Site  
Wichita, Kansas

Based on the factors outlined below, I have determined that a threat exists to the public health or welfare or the environment at this site. An imminent and substantial endangerment to the public health or welfare of the environment exists because of the actual or threatened release of a hazardous substance at or from this site.

### I. SITE INFORMATION

Site Name:	Radiation – Standard Products Site
Site Number:	A7N1
CERCLIS ID:	KSN000705966
Site Location:	650 E. Gilbert St., Wichita, Kansas
Potentially Responsible Parties:	Unknown at this time
Access:	Restricted <input type="checkbox"/> Unrestricted <input checked="" type="checkbox"/>
NPL Status:	This site is not on or is anticipated to be on the NPL

### II. THREAT TO THE PUBLIC HEALTH OR WELFARE OR THE ENVIRONMENT

#### A. Site Background

The Radiation – Standard Products Site (site) was the location of an aircraft instrument repair shop that operated in the 1950s and 1960s. Many of the instruments repaired were radium dials in which radioluminescent paint was stripped from the dials and then the dials were repainted. The Kansas Department of Health and Environment (KDHE) performed a Unified Focused Assessment (UFA) at the site after it was recommended for an environmental assessment as a result of a process that identified and ranked radium dial shop facilities in Kansas. During KDHE's UFA, the maximum Radium-226 laboratory detection in soil was 81,800 pCi/g, above the EPA/NRC screening level of 5pCi/g plus background. During the UFA, Radium-226 was also identified in groundwater at 156 pCi/L, which was above the maximum containment level (MCL) of 5pCi/L. The site borders the Guadalupe Health Clinic as well as several residential properties.

#### B. Hazardous Substances Present

Radium-226 is a hazardous substance as defined by Section 101(14) of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) and is listed at 40 CFR 302.4.



### **C. Nature of Actual or Threatened Release of Hazardous Substance**

KDHE assessment has confirmed hazardous substances are present at the site, as described in the previous section.

The following factors (from 40 CFR 300.415) were considered in determining the appropriateness of a removal action.

X Actual or potential exposure to nearby human populations, animals, or the food chain from hazardous substances or pollutants or contaminants [300.415 (b) (2) (ii)].

   Actual or potential contamination of drinking water supplies or sensitive ecosystems [300.415 (b) (2) (ii)].

   Hazardous substances or pollutants or contaminants in drums, barrels, tanks, or other bulk storage containers, that pose a threat of release [300.415 (b) (2) (iii)].

X High levels of hazardous substances or pollutants or contaminants in soils [300.415 (b) (2) (iv)].

X Weather conditions that may cause hazardous substances or pollutants to migrate or be released [300.415 (b) (2) (v)].

   Threat of fire or explosion [300.415 (b) (2) (vi)].

X The availability of other appropriate Federal or State response mechanisms to respond to the release [300.415 (b) (2) (vii)]. KDHE was unable to perform the necessary measures to insure adequate cleanup.

   Other situations or factors that may pose threats to the public health or welfare or the environment.

### **III. SELECTED REMOVAL ACTION**

The selected actions for this site are providing a protective barrier over the contaminated soil until a removal action can be performed.

### **IV. ESTIMATED COSTS**

#### Extramural Costs

Removal Costs	\$10,000
20% Contingency	<u>\$ 2,000</u>
Removal Ceiling	\$12,000

EPA direct and indirect costs, although cost recoverable, do not count toward the Removal Ceiling for this removal action. Refer to the enforcement section for a breakout of these costs.

#### IV. ENFORCEMENT

The total EPA costs for this removal action based on full cost-accounting practices are estimated to be \$12,000.

##### Intramural Costs

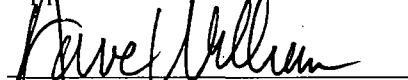
Direct Extramural Costs	\$ 1,500
EPA Indirect (38.57% of all costs)	\$ 5,207
Subtotal, Intramural Costs	\$ 6,707

Total Project Costs	\$18,707
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Direct costs include direct extramural and direct intramural costs. Indirect costs are calculated based on an estimated indirect cost rate expressed as a percentage of site-specific direct costs, consistent with the full cost-accounting methodology effective October 2, 2000. These estimates do not include prejudgment interest, do not take into account other enforcement costs, including Department of Justice costs, and may be adjusted during the course of a removal action. The estimates are for illustrative purposes only and their use is not intended to create any rights for responsible parties. Neither the lack of a total cost estimate nor deviation of actual total costs from this estimate will affect the United States' right to cost recovery.

This finding of imminent and substantial endangerment will be entered into the site or incident's administrative record.

Approvals:



Dave Williams  
PRSS Section Chief

2/23/09  
Date



Don Lininger  
On-Scene Coordinator

2/23/09  
Date